

Product datasheet for **SC204970**

HARS1 (NM_002109) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: HARS1 (NM_002109) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: HARS1
Synonyms: CMT2W; HARS; HRS; USH3B
ACCN: NM_002109
Insert Size: 382 bp
Insert Sequence: >SC204970 3'UTR clone of NM_002109
The sequence shown below is from the reference sequence of NM_002109. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGAACAGGCCAGCCCCTCTGCATCTGCTGACTGAACAACTATCAGAGGAAAGGAAGTGGGACTGGCA
CTATTTGAGGTTAAGACAACTGCATATGTAATTCAATTGCTTTGCACCTTTCCGTTTCAGCGGAAGAC
CTGAAGAGTGGTCAGAACAGAGCCTTTGATTTTTATTATGGTTATTTATTGATTATTACTGGCAAAAA
CGGCCAGGTACAACACCTTTTTCATACAAGGCCAGGAGGCTTAGTCCAGTCTGTGCTCCTGGGCTACA
AGGACCCAGCCTGAGATGGTCCCATCTGCAGGCCCGCACCAAGTTGGAGCAGATGCCTCCCCACCACC
AATTGCCAAAGTCCAATAAAAATGCCTCAACCACGGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002109.6](#)



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Summary:

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARS2 on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Locus ID:

3035

MW:

14.4